

AMENDMENTS TO CLAIMS

1. (Canceled)

2. (Canceled)

3. (Canceled)

4. (Canceled)

5. (Canceled)

6. (Canceled)

7. (New) A circuit for generating power in a D.C. pulsating power supply, at the moment D.C. pulsating power that is being delivered is suspended, comprising:

 a source of pulsating D.C. power; and
 an induction device connected between the source of pulsating D.C. power and a load,
 said induction device being arranged to discharge to the load when the pulsating power is suspended.

8. (New) A circuit for generating power in a D.C. pulsating power supply as claimed in claim 7, wherein the induction device is a secondary winding of a transformer, a primary winding of the transformer being connected in series between the source of pulsating D.C. power and the load, and the secondary winding of the transformer being connected in parallel between the source of pulsating D.C. power and the load.

9. (New) A circuit for generating power in a D.C. pulsating power supply as claimed in claim 8, further comprising a resistor connected in series with the secondary winding.

10. (New) A circuit for generating power in a D.C. pulsating power supply as claimed in claim 7, wherein the induction device is a secondary winding of a transformer, a primary winding of the transformer being connected in parallel between the source of pulsating D.C. power and the load, and the secondary winding of the transformer being connected in series between the source of pulsating D.C. power and the load.
11. (New) A circuit for generating power in a D.C. pulsating power supply as claimed in claim 10, further comprising a resistor connected in series with the primary winding.
12. (New) A circuit for generating power in a D.C. pulsating power supply as claimed in claim 7, wherein the induction device is an inductor connected in parallel between the source of pulsating D.C. power and the load.
13. (New) A circuit for generating power in a D.C. pulsating power supply as claimed in claim 12, further comprising a resistor connected in series with the inductor.
14. (New) A circuit for generating power in a D.C. pulsating power supply as claimed in claim 12, further comprising a capacitor connected in parallel with the inductor.
15. (New) A circuit for generating power in a D.C. pulsating power supply as claimed in claim 14, further comprising a resistor connected in series with the parallel-connected inductor and capacitor.
16. (New) A circuit for generating power in a D.C. pulsating power supply as claimed in claim 7, wherein the induction device is an inductor connected in series between the source of pulsating D.C. power and the load, and further comprising a resistor connected in parallel between the source of pulsating D.C. power and the load.

Serial Number 09/940,898

17. (New) A circuit for generating power in a D.C. pulsating power supply as claimed in claim 16, further comprising a capacitor connected in parallel with the inductor.

18. (New) A circuit for generating power in a D.C. pulsating power supply as claimed in claim 7, further comprising a blocking diode connected between the source of D.C. pulsating power and the induction device for preventing backflow of current from the induction device to the source of D.C. pulsating power.